

  
Chester Rural District Council

# ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

(Dr. W. A. Pollitt, M.R.C.S.,  
L.R.C.P., D.P.H.)

together with the Annual Report of the

CHIEF PUBLIC HEALTH INSPECTOR

(J. G. Wilkes, M.A.P.H.I.)

for the year

1964



# ANNUAL REPORT

## of the Medical Officer of Health

### for the CHESTER RURAL DISTRICT

### for the Year 1964

TO THE CHAIRMAN AND MEMBERS OF THE COUNCIL.

Madam Chairman, Ladies and Gentlemen,

I have pleasure in submitting the Annual Report on the health and sanitary conditions of the Chester Rural District for the year 1964.

The adjusted birth rate of 18.80 shows a fractional increase compared with the rate of 18.17 for the year 1963. The birth rate for England and Wales is 18.4 per thousand live births.

The adjusted death rate is 9.64 compared with the rate of 10.44 for 1963. The death rate for England and Wales is 12.2.

There were no maternal deaths during the year.

Mention is made in the body of the report of an outbreak of dysentery in one of the local schools and also to an outbreak of anthrax amongst animals at the Chester Zoo.

As is usual I have included my Annual Report as Divisional Medical Officer on the Public Health Services operating on behalf of the Cheshire County Council for the South West Cheshire Division, of which the Rural District of Chester forms a part.

My thanks are due to the Chief Public Health Inspector and the staff of the Health Department for their very valuable help and assistance.

I am,

Your Obedient Servant,

W. A. POLLITT, M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health.

# **CHESTER RURAL DISTRICT COUNCIL**

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**Chairman of Public Health Committee:**

MRS. V. J. SHINN

## **Public Health Department Staff**

**Medical Officer of Health:**

DR. W. A. POLLITT, M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H.

**Chief Public Health Inspector:**

J. G. WILKES, M.A.P.H.I.

**Deputy Chief Public Health Inspector:**

E. CLARKSON, M.A.P.H.I.

**Additional Public Health Inspector:**

W. M. COBDEN, M.A.P.H.I.

**Pupil Public Health Inspector:**

M. COPPACK

**Records Clerk:**

J. E. PARRY

**Clerk-Typist:**

MRS. S. WILLIAMS

## GENERAL PROVISIONS OF HEALTH SERVICES

### Laboratory Facilities

The Ministry of Health Regional Laboratory under its Director, Dr. Poole, is available in Chester for the examinations of bacteriological specimens.

### Ambulance Services

These are provided by the Cheshire County Council assisted by the Chester City Ambulances acting as an Agency Service.

### Nursing in the Home

Home nursing is undertaken by District Nurses under the direction of the Cheshire County Council.

### Clinics

County Council Clinics are provided in the following parts of the district:

|              |                                  |
|--------------|----------------------------------|
| Barrow       | Infant Welfare                   |
| Christleton  | Infant Welfare                   |
| Gt. Boughton | Infant Welfare                   |
| Huntington   | Infant Welfare                   |
| Saughall     | Infant Welfare                   |
| Upton        | Infant Welfare and School Clinic |
| Chester      | Orthopaedic and Tuberculosis     |

Special Rural Clinics are also available by appointment as and when required.

### Hospitals

The district is served by the General Hospitals at Chester, Barrow, Clatterbridge and Liverpool. The Hospital at Barrow provides for special treatment of Chest diseases.

## NATIONAL STATISTICS

The Birth Rate for England and Wales for 1964 was 18.4 per 1,000 population, as compared with 18.2 for 1963.

The Death Rate for England and Wales for 1964 was 11.3 per 1,000 population. In 1963 the Death Rate was 12.2.

Infant Mortality Rate for England and Wales, i.e. deaths of infants under 1 year of age per 1,000 live births was 20.0 as compared with 21.1 in 1963.

Natural increase in population (i.e. excess of births over deaths) 1953-1964—England and Wales:

| Year        | Per<br>1,000<br>Pop. | Year        | Per<br>1,000<br>Pop. |
|-------------|----------------------|-------------|----------------------|
| 1953 ... .. | 4.1                  | 1959 ... .. | 4.9                  |
| 1954 ... .. | 3.9                  | 1960 ... .. | 5.6                  |
| 1955 ... .. | 3.3                  | 1961 ... .. | 5.4                  |
| 1956 ... .. | 4.0                  | 1962 ... .. | 6.0                  |
| 1957 ... .. | 4.6                  | 1963 ... .. | 5.8                  |
| 1958 ... .. | 4.7                  | 1964 ... .. | 7.1                  |

# CHESTER RURAL DISTRICT

## STATISTICS AND SOCIAL CONDITIONS

Area: 43,811 acres.

|                                        |     |     |     |     |     |            |        |
|----------------------------------------|-----|-----|-----|-----|-----|------------|--------|
| Population, Mid 1964                   | ... | ... | ... | ... | ... | ...        | 31,130 |
| Number of inhabited houses             | ... | ... | ... | ... | ... | ...        | 9,471  |
| Rateable value at 1st April, 1964      | ... | ... | ... | ... | ... | £1,375,302 |        |
| Product of 1d. Rate at 1st April, 1964 | ... | ... | ... | ... | ... | £5,700     |        |

The Council-owned houses total 1,312; twenty-two of which were completed in 1964.

The number of private houses built in the year was 433.

## EXTRACTS FROM VITAL STATISTICS FOR 1964

### Births

#### Live Births

|              | Male | Female | Total |
|--------------|------|--------|-------|
| Legitimate   | 271  | 263    | 534   |
| Illegitimate | 15   | 13     | 28    |

Birth Rate per 1,000 of population: 18.08.

Using Comparability Factor of 1.04 the adjusted Birth Rate is 18.80.

#### Still Births

|              | Male | Female | Total |
|--------------|------|--------|-------|
| Legitimate   | 5    | 3      | 8     |
| Illegitimate | 1    | —      | 1     |

Rate per 1,000 (Live and Still) Births: 18.34.

Total of Live and Still Births: 571.

### Deaths

| Male | Female | Total |
|------|--------|-------|
| 211  | 218    | 429   |

Death Rate per 1,000 population: 13.78.

Using Comparability Factor of .70 the adjusted Death Rate is 9.64.

Deaths (due to maternal causes):

|                                                               |     |     |     |     |     |     |
|---------------------------------------------------------------|-----|-----|-----|-----|-----|-----|
| Pregnancy—Childbirth                                          | ... | ... | ... | ... | ... | Nil |
| Maternal Mortality Rate, i.e. per 1,000 live and still births | ... | ... | ... | ... | ... | Nil |

Deaths of Infants under one year:

|              | Male | Female | Total |
|--------------|------|--------|-------|
| Legitimate   | 3    | 6      | 9     |
| Illegitimate | —    | —      | —     |

Infant Mortality Rate, i.e. per 1,000 live births: 16.0.

Deaths of Infants under four weeks of age (Neo-natal deaths):

|                     | Male | Female | Total |
|---------------------|------|--------|-------|
| Legitimate ... ..   | 2    | 4      | 6     |
| Illegitimate ... .. | —    | —      | —     |

Neo-natal Mortality Rate: 10.67.

Deaths of Infants under one week of age:

|                     | Male | Female | Total |
|---------------------|------|--------|-------|
| Legitimate ... ..   | 2    | 2      | 4     |
| Illegitimate ... .. | —    | —      | —     |

Early Neo-Natal Mortality Rate: 7.11.

Perinatal Mortality Rate (Still births and deaths under 1 week)  
per 1,000 total live and still births: 22.76.

Illegitimate live births as a percentage of total live births: 4.98  
per cent.

Natural increase in population (that is, excess of births over  
deaths), 1953-1964:

| Year        | Pop.   | Nat. Inc.<br>per 1,000<br>Pop. | Year        | Pop.   | Nat. Inc.<br>per 1,000<br>Pop. |
|-------------|--------|--------------------------------|-------------|--------|--------------------------------|
| 1953 ... .. | 26,250 | 0.45                           | 1959 ... .. | 27,840 | 2.11                           |
| 1954 ... .. | 26,790 | —0.5                           | 1960 ... .. | 28,250 | 2.3                            |
| 1955 ... .. | 26,810 | —1.35                          | 1961 ... .. | 28,170 | 2.69                           |
| 1956 ... .. | 27,680 | —1.15                          | 1962 ... .. | 30,190 | 4.5                            |
| 1957 ... .. | 27,740 | —1.26                          | 1963 ... .. | 30,850 | 2.88                           |
| 1958 ... .. | 27,380 | —0.04                          | 1964 ... .. | 31,130 | 4.27                           |

Table of number of Live Births and Birth Rate, 1953-1964:

| Year        | Number | Birth<br>Rate | Year        | Number | Birth<br>Rate |
|-------------|--------|---------------|-------------|--------|---------------|
| 1953 ... .. | 348    | 13.25         | 1959 ... .. | 425    | 15.26         |
| 1954 ... .. | 343    | 12.80         | 1960 ... .. | 442    | 15.64         |
| 1955 ... .. | 365    | 13.61         | 1961 ... .. | 476    | 16.89         |
| 1956 ... .. | 429    | 15.5          | 1962 ... .. | 547    | 18.13         |
| 1957 ... .. | 357    | 12.8          | 1963 ... .. | 539    | 17.47         |
| 1958 ... .. | 416    | 15.19         | 1964 ... .. | 562    | 18.08         |

Table of number of Deaths and Crude Death Rates (1953-  
1964):

| Year        | Number | Death<br>Rate | Year        | Number | Death<br>Rate |
|-------------|--------|---------------|-------------|--------|---------------|
| 1953 ... .. | 337    | 12.8          | 1959 ... .. | 366    | 13.15         |
| 1954 ... .. | 356    | 13.3          | 1960 ... .. | 377    | 13.34         |
| 1955 ... .. | 401    | 14.96         | 1961 ... .. | 400    | 14.19         |
| 1956 ... .. | 461    | 16.65         | 1962 ... .. | 411    | 13.60         |
| 1957 ... .. | 390    | 14.06         | 1963 ... .. | 450    | 14.91         |
| 1958 ... .. | 420    | 15.23         | 1964 ... .. | 429    | 13.78         |

Table of Infant Mortality (1953-1964):

| Year        | Number | Rate<br>per 1,000<br>Births | Year        | Number | Rate<br>per 1,000<br>Births |
|-------------|--------|-----------------------------|-------------|--------|-----------------------------|
| 1953 ... .. | 10     | 28.7                        | 1959 ... .. | 8      | 18.8                        |
| 1954 ... .. | 4      | 11.7                        | 1960 ... .. | 7      | 15.8                        |
| 1955 ... .. | 5      | 13.7                        | 1961 ... .. | 10     | 21.0                        |
| 1956 ... .. | 5      | 11.65                       | 1962 ... .. | 12     | 21.95                       |
| 1957 ... .. | 8      | 22.4                        | 1963 ... .. | 6      | 11.13                       |
| 1958 ... .. | 7      | 16.8                        | 1964 ... .. | 9      | 16.00                       |

Deaths from Measles (all ages) ... .. Nil

Deaths from Whooping Cough ... .. Nil

Particulars of unusual or excessive mortality during the year:

|                                                              | Male | Fe-<br>male | Total | In<br>1963 |
|--------------------------------------------------------------|------|-------------|-------|------------|
| (i) Diseases of the Heart and Circulat-<br>ory system ... .. | 74   | 77          | 151   | 171        |
| (ii) Cancer ... ..                                           | 39   | 30          | 69    | 64         |
| (iii) Vascular Lesions of Nervous System                     | 35   | 44          | 79    | 87         |
| (iv) Cancer of Lungs (included in (ii)<br>above ... ..       | 17   | 1           | 18    | 7          |
| (v) Coronary Disease of Heart (inc. in<br>(i) above ... ..   | 42   | 29          | 71    | 82         |

#### CAUSES OF DEATH DURING 1964

|                                                 | Male | Female |
|-------------------------------------------------|------|--------|
| Tuberculosis of the Respiratory System ... ..   | 1    | —      |
| Other forms of Tuberculosis ... ..              | —    | 1      |
| Syphilitic Diseases ... ..                      | —    | 2      |
| Other Infective or Parasitic Diseases ... ..    | —    | —      |
| Cancer (all sites) ... ..                       | 39   | 30     |
| Leukaemia ... ..                                | 2    | —      |
| Diabetes ... ..                                 | 2    | —      |
| Vascular lesion of Nervous System ... ..        | 35   | 44     |
| Diseases of Heart and Circulatory System ... .. | 74   | 77     |
| Bronchitis ... ..                               | 7    | 3      |
| Pneumonia ... ..                                | 13   | 26     |
| Influenza ... ..                                | —    | —      |
| Other Diseases of Respiratory System ... ..     | 1    | 2      |
| Ulcer of Stomach ... ..                         | 3    | —      |
| Enteritis or Diarrhoea ... ..                   | —    | —      |
| Nephritis ... ..                                | —    | 2      |
| Pregnancy and Childbirth ... ..                 | —    | —      |
| Congenital Malformations ... ..                 | 3    | 4      |
| Hyperplasia of Prostate ... ..                  | 5    | —      |
| Suicide ... ..                                  | —    | —      |
| Motor Vehicle Accidents ... ..                  | 8    | 4      |
| All other Accidents ... ..                      | 9    | 3      |
| Other Defined and Ill-Defined Diseases ... ..   | 9    | 20     |
| Homicide and operations of War ... ..           | —    | —      |

## INFECTIOUS AND OTHER DISEASES

### Prevalence of and control over Infectious and other diseases

The following notifiable diseases (other than Tuberculosis) were notified during the year:

|                          | Total<br>Cases<br>Notified | Cases<br>admitted<br>to<br>Hospital | Deaths |
|--------------------------|----------------------------|-------------------------------------|--------|
| Scarlet Fever ... ..     | 8                          | —                                   | —      |
| Whooping Cough ... ..    | 15                         | —                                   | —      |
| Measles ... ..           | 134                        | —                                   | —      |
| Dysentery ... ..         | 32                         | —                                   | —      |
| Pneumonia ... ..         | 1                          | —                                   | —      |
| Food Poisoning ... ..    | 8                          | —                                   | —      |
| Puerperal Pyrexia ... .. | 2                          | —                                   | —      |

## TUBERCULOSIS

### New Cases and Mortality during 1964:

| Age Periods       | Respiratory |   | Non-Respiratory |   | Total |
|-------------------|-------------|---|-----------------|---|-------|
|                   | M           | F | M               | F |       |
| Under 5 years ... | —           | — | —               | — | —     |
| 5-14 years ... .. | —           | — | —               | — | —     |
| 15-24 years ...   | —           | 1 | —               | — | 1     |
| 25-44 years ...   | 2           | 1 | —               | — | 3     |
| 45-64 years ...   | —           | — | —               | — | —     |
| 65 years and over | 1           | — | —               | — | 1     |
| Age unknown ...   | —           | — | —               | — | —     |
| Totals ... ..     | 3           | 2 | —               | — | 5     |

### Deaths:

| Age Periods       | Respiratory |   | Non-Respiratory |   | Total |
|-------------------|-------------|---|-----------------|---|-------|
|                   | M           | F | M               | F |       |
| Under 5 years ... | —           | — | —               | — | —     |
| 5-14 years ... .. | —           | — | —               | — | —     |
| 15-24 years ...   | —           | — | —               | — | —     |
| 25-44 years ...   | —           | — | —               | — | —     |
| 45-64 years ...   | —           | — | —               | 1 | 1     |
| 65 years and over | 1           | — | —               | — | 1     |
| Age unknown ...   | —           | — | —               | — | —     |
| Totals ... ..     | 1           | — | —               | 1 | 2     |

## **BRUCELLA ABORTUS INFECTION**

Random sampling of raw milk continues to give results which show infection with *Brucella Abortus*. This organism causes Abortus fever in cattle and Undulant fever in man. During the year 166 bulk samples of milk were taken, and of these 5 were shown to be infected with *Brucella Abortus* on culture. In addition 23 samples from retail dealers were taken of, which 2 were proved to be positive on culture. Resulting from these samples milk from individual cows was sampled in 146 cases and two of these were proved to be positive on culture.

Not all this milk originated from herds within the rural district, but there are 19 dairy herds in the area from which milk is sold raw to the public. This is a reduction of five from the number of farms selling milk raw in the previous year.

During the year 5 persons were found to be suffering from undulant fever contracted after drinking raw untreated milk. The illness varied from mild constitutional upset to quite severe disability and malaise lasting for several months. In all cases known, infected milk is heat treated before being sold to the public, but this is insufficient to prevent infected milk from being produced and more active steps must be taken to prevent cattle being infected with this disease.

## **DYSENTERY**

In the early part of the year an outbreak of dysentery occurred at a school in Upton. Owing to the mild nature of the disease it was some time before the school authorities requested medical assistance. As a result there was fairly widespread infection throughout the school and amongst families in the surrounding district. However, once the nature of the illness was appreciated every co-operation was given by the school staff and also by the parents and families of the children.

This outbreak caused a considerable amount of work for the staff of the department and involved 398 specimens being collected, of which 264 proved negative and 134 were positive. In all, the outbreak lasted approximately three weeks from the initial infection.

## **ANTHRAX**

In the middle of March an outbreak of anthrax occurred at the Zoological Gardens, Upton. An African elephant died apparently from natural causes, and as anthrax had not been

suspected in any way portions of this animal were fed to other carnivora in the zoo. As a result of this infection four elephants died and six other animals. One of the contractor's men dealing with the elephants' carcasses contracted a small lesion of anthrax on his hand. This was treated with antibiotics. Appropriate precautions were taken to protect the public and also the staff of the Zoological Gardens from any infection.

A second, much smaller, outbreak occurred in November of this year when two pumas were infected from contaminated meat and succumbed to the infection. Again routine precautions were taken to protect the public and zoological staff from the infection.

This second infection was in no way connected with the first.

## **SECTION 47—NATIONAL ASSISTANCE ACT**

The provisions of the above Act enable a local authority to apply for compulsory removal to a hostel or County Council hospital of aged and infirm persons who are in need of care and attention and who are unable to care for themselves. Much time and patience is devoted to the needs of the aged by a variety of workers and every effort is made to avoid compulsory removal of aged persons from their homes to hostels and hospitals. In all cases during the year, assistance when required was able to be given through domiciliary services or else removal to the appropriate hospital or hostel was effected by voluntary co-operation.

# ANNUAL REPORT FOR THE YEAR 1964

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TO THE CHAIRMAN AND MEMBERS OF THE CHESTER  
RURAL DISTRICT COUNCIL.

Madam Chairman, Ladies and Gentlemen,

I have pleasure in presenting my report for 1964 and in so doing wish to express my appreciation for the services rendered to the department by Mr. H. E. Stone who was your Chief Public Health Inspector until 31st March.

The work of the department has in the main followed a normal pattern, the indications being that the volume will tend to increase, particularly in relation to Meat Inspection which involves some considerable time outside normal hours.

The main item of legislation was the coming into operation of the Offices, Shops and Railway Premises Act, 1963. During the year it was not found possible to carry out detailed inspections of premises but most of the preliminary registration has been completed and it is anticipated that the ensuing year will see a marked progress.

I wish to express my sincere thanks to Members of the Public Health Committee for their support throughout the year and to members of the Staff for their loyalty.

Yours faithfully,

J. G. WILKES,

Chief Public Health Inspector.

# ANNUAL REPORT 1964

## SANITARY CIRCUMSTANCES OF THE AREA

### Water Supply

Except for the Parish of Croughton with 7 dwellings and an estimated population of 21, the district continues to be supplied by the Wirral Water Board, the Chester Waterworks Company and the Wrexham and East Denbighshire Water Company. It is pleasing to record that on the extremely rare occasions when complaints are received, officials of the three Undertakings are most co-operative and any matter brought to their notice is given immediate attention.

The number of dwellings and estimated population provided with a mains supply is shown below:

| Parish          | No. of<br>Dwellings | Est. Pop.<br>supplied |
|-----------------|---------------------|-----------------------|
| Aldford         | 93                  | 325                   |
| Bache           | 27                  | 95                    |
| Backford        | 47                  | 165                   |
| Barrow          | 291                 | 1,016                 |
| Bridge Trafford | 12                  | 42                    |
| Buerton         | 17                  | 59                    |
| Capenhurst      | 94                  | 360                   |
| Caughall        | 3                   | 10                    |
| Chester Castle  | 1                   | 2                     |
| Chorlton        | 23                  | 81                    |
| Christleton     | 773                 | 2,601                 |
| Churton Heath   | 5                   | 16                    |
| Claverton       | 2                   | 6                     |
| Dodleston       | 123                 | 430                   |
| Dunham Hill     | 159                 | 556                   |
| Eaton           | 24                  | 78                    |
| Eccleston       | 88                  | 307                   |
| Elton           | 171                 | 578                   |
| Great Boughton  | 2,123               | 7,064                 |
| Guilden Sutton  | 225                 | 795                   |
| Hapsford        | 27                  | 88                    |
| Hoole Village   | 97                  | 340                   |
| Huntington      | 400                 | 1,396                 |
| Lea-by-Backford | 59                  | 192                   |
| Lea Newbold     | 7                   | 23                    |
| Ledsham         | 40                  | 130                   |
| Littleton       | 182                 | 637                   |
| Little Stanney  | 79                  | 277                   |

| Parish             |     |     |     |     |  | No. of Dwellings | Est. Pop. supplied |
|--------------------|-----|-----|-----|-----|--|------------------|--------------------|
| Lower Kinnerton    | ... | ... | ... | ... |  | 39               | 127                |
| Marlston-cum-Lache | ... | ... | ... | ... |  | 29               | 94                 |
| Mickle Trafford    | ... | ... | ... | ... |  | 141              | 493                |
| Mollington         | ... | ... | ... | ... |  | 152              | 531                |
| Moston             | ... | ... | ... | ... |  | 74               | 241                |
| Picton             | ... | ... | ... | ... |  | 23               | 86                 |
| Poulton            | ... | ... | ... | ... |  | 30               | 98                 |
| Puddington         | ... | ... | ... | ... |  | 104              | 315                |
| Pulford            | ... | ... | ... | ... |  | 112              | 336                |
| Rowton             | ... | ... | ... | ... |  | 111              | 330                |
| Saighton           | ... | ... | ... | ... |  | 86               | 280                |
| Saughall           | ... | ... | ... | ... |  | 763              | 2,433              |
| Shotwick           | ... | ... | ... | ... |  | 20               | 65                 |
| Shotwick Park      | ... | ... | ... | ... |  | 21               | 69                 |
| Stoak              | ... | ... | ... | ... |  | 59               | 195                |
| Thornton-le-Moors  | ... | ... | ... | ... |  | 64               | 205                |
| Upton              | ... | ... | ... | ... |  | 2,365            | 8,266              |
| Wervin             | ... | ... | ... | ... |  | 25               | 87                 |
| Wimbolds Trafford  | ... | ... | ... | ... |  | 31               | 101                |
| Woodbank           | ... | ... | ... | ... |  | 23               | 81                 |
|                    |     |     |     |     |  | 9,464            | 31,109             |

Tabulated results of water samples submitted for bacteriological and chemical examination:

|                                 | No. taken | Satisfactory | Unsatisfactory |
|---------------------------------|-----------|--------------|----------------|
| Bacteriological Samples (Mains) | 28        | 27           | 1              |
| „ „ (Private)                   | 9         | 7            | 2              |
| Chemical Samples (Mains)        | 2         | 2            | —              |
| „ „ (Private)                   | 6         | 6            | —              |
|                                 | 45        | 42           | 3              |

Appropriate action was taken in respect of the unsatisfactory sample from the mains supply and repeat samples proved satisfactory.

In the case of the 2 poor quality samples from private supplies, these were taken at the request of property owners prior to proposals to use the water for human consumption. On being informed of the results, these proposals were abandoned.

### Drainage and Sewerage

Considerable progress has been made in laying the new sewer in Mollington and parts of Saughall. The scheme when completed will be another step forward towards providing a system of main

drainage throughout the district. The Kingswood Lane area of Saughall has been a drainage black-spot for a number of years and the Public Health Department will be relieved to know that a solution to the difficulties is within sight.

Your Consulting Engineers, Messrs. C. J. Lomax & Son, are already dealing with sewerage and sewage disposal schemes for the Parishes of Elton, Guilden Sutton, Mickle Trafford, together with extension in parts of Rowton and Christleton. The Dee and Clwyd River Authority have expressed some concern regarding the Balderton disposal works and your Engineers have been instructed to look into this matter. One can but express the hope that the Council's programme will not be too long delayed.

### **Refuse Collection and Disposal**

This service has been maintained efficiently throughout the year despite the many difficulties which have been encountered, particularly in relation to providing an adequate labour force. Coverage of the district has been regular and in the main a once weekly collection has been operated. Your fleet comprises three dual tipping and two compression type vehicles, one of which was delivered from the makers during the year. In addition a side-loader is provided to deal with Special Collections mainly from business premises.

Disposal continues to be by means of Controlled Tipping at Knolls Farm, Upton-by-Chester, and I am glad to report that no complaints have been received in connection with tipping operations.

With the increase in housing development in certain parts of the district, it will no doubt be necessary to review the service from time to time. When considering the replacement of old vehicles, carrying capacity will have to be looked at carefully as this could materially affect the efficiency of the service.

I wish to express my warmest appreciation to all who have been concerned in the maintenance of this important aspect of Public Health.

### **Salvage**

The amount realised from the sale of salvaged materials was £854 13s. 10d.

### **Cesspool Emptying**

In addition to servicing the Council's sewage disposal plants when requested by the Architect the vehicle has been engaged in emptying 208 Septic Tanks and the cleansing of 36 private drains. This service is generally appreciated by property owners.

## Food Preparation Premises and Shops

There have been no additions to the 14 food preparing premises registered under Section 16 of the Food and Drugs Act, 1955, and it has not been found necessary to take statutory action against any of the persons registered. Shops are visited at irregular intervals and the standard of hygiene in the premises throughout the district is satisfactory. Two additions to premises registered for the storage and sale of pre-packed ice cream bring the total to 75.

## Clean Air Act, 1956

The Council have not declared any part of the district to be a Smoke Control Area. The small number of industrial chimneys are, however, kept under observation but no serious emissions of black smoke have been apparent.

## Rodent Control

The service provides for rodent control in domestic, business and agricultural premises, the latter two being subject to a charge for clearance or treatment to be carried out on an annual contract basis. The following is a summary of the visits made:

|                              |       |                          |
|------------------------------|-------|--------------------------|
| Private dwellings ... ..     | 2,232 | Poison baits laid: 5,316 |
| Agricultural premises ... .. | 660   |                          |
| Business premises ... ..     | 720   |                          |
| Contracts ... ..             | 840   |                          |
| Local Authority ... ..       | 384   |                          |
| Revisits ... ..              | 145   |                          |
| <hr/>                        |       |                          |
| Total ... ..                 | 4,981 |                          |
| <hr/>                        |       |                          |

## Caravan Sites and Control of Development Act, 1960

The 6 permanently licensed sites provide accommodation for 137 caravans having an estimated population of 300 persons. The facilities available are in accordance with the Ministry's Model Standards and in some instances these exceed the necessary requirements. Periodic visits are made to each of the sites; control, maintenance and general management are satisfactory.

Itinerant caravan dwellers stationing vehicles on roadside verges have caused the department some concern, particularly in the absence of adequate legislation to deal with this problem. I am indebted to the Police for their assistance and co-operation.

## Offices, Shops and Railway Premises Act, 1963

This legislation mainly provides that the facilities and protection which have for some time been available to the industrial worker shall now also be enjoyed by the non-industrial worker.

Its provisions aim to secure a higher standard of hygiene and safety and is in keeping with modern industrial trends. 55 applications have been received for the registration of premises.

## HOUSING

### Inspection of Dwelling Houses during the year

|        |                                                                                                                                                                       |       |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1. (a) | Number of dwelling houses inspected for defects under the Public Health and Housing Acts ...                                                                          | 569   |
| (b)    | Number of inspections made for the purpose ...                                                                                                                        | 1,687 |
| (c)    | Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..                                       | 5     |
| (d)    | Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... .. | 398   |

### 2. Informal Action

|                                                                                                                         |     |
|-------------------------------------------------------------------------------------------------------------------------|-----|
| Number of dwelling houses rendered fit as the result of informal action by the local authority or their officers ... .. | 398 |
|-------------------------------------------------------------------------------------------------------------------------|-----|

### 3. Statutory Action

Housing Act, 1957:

Number of dwelling houses in which notices were served requiring defects to be remedied:

|     |                                                |     |
|-----|------------------------------------------------|-----|
| (a) | By owners ... ..                               | 1   |
| (b) | By local authority in default of owners ... .. | Nil |

Public Health Acts:

Number of dwelling houses in which defects were remedied after service of Formal Notices:

|     |                                                |     |
|-----|------------------------------------------------|-----|
| (a) | By owners ... ..                               | Nil |
| (b) | By local authority in default of owners ... .. | Nil |

### Houses demolished

As the result of action already taken in 1963 a total of 16 dwelling houses were demolished.

## INSPECTION OF MEAT AND OTHER FOODS

The following is a summary of the inspections carried out at the three licensed private slaughterhouses:

|                        | Beasts | Calves | Sheep | Pigs  | Total  |
|------------------------|--------|--------|-------|-------|--------|
| Number slaughtered ... | 2,221  | 30     | 9,037 | 5,523 | 16,811 |
| Number inspected ...   | 2,221  | 30     | 9,037 | 5,523 | 16,811 |

**All diseases except Tuberculosis and Cysticercosis:**

|                            | Beasts | Calves | Sheep | Pigs  |
|----------------------------|--------|--------|-------|-------|
| Whole carcasses condemned  | 1      | 1      | 3     | —     |
| Parts or organs condemned  | 615    | —      | 676   | 1,481 |
| Percentage affected ... .. | 27.6   | 3.3    | 7.4   | 26.8  |

**Tuberculosis:**

|                            | Beasts | Calves | Sheep | Pigs |
|----------------------------|--------|--------|-------|------|
| Whole carcasses condemned  | —      | —      | —     | —    |
| Parts or organs condemned  | —      | —      | —     | 40   |
| Percentage affected ... .. | —      | —      | —     | .72  |

**Cysticercosis:**

Three bovine carcasses found to be affected with cysticercosis were treated by refrigeration in the prescribed manner.

Compared with 1963 there was an increase of 4,112 in the total number of animals slaughtered and inspected.

**Other Foods condemned:**

Others foods inspected at food premises in the district and condemned as being unfit for human consumption:

|                                        |          |
|----------------------------------------|----------|
| Raw Meat ... ..                        | 172 lbs. |
| Cooked Meat and Meat Products ... ..   | 9 „      |
| 67 Tins of Meat ... ..                 | 122 „    |
| 44 Tins of Fish ... ..                 | 44 „     |
| 29 Tins of Fruit and Vegetables ... .. | 59 „     |
| 4 Tins of other Foods ... ..           | 6 „      |

**Brucella Abortus:**

Random sampling of milk sold raw to the public continues to be carried out by the Cheshire County Public Health Dept., to whom I am indebted for the following information.

|                        | Total submitted | Number Brucella Positive |
|------------------------|-----------------|--------------------------|
| Bulk Samples ... ..    | 166             | 5                        |
| Dealer Samples ... ..  | 23              | 2                        |
| Individual Cow Samples | 146             | 2                        |
|                        | <hr/> 335       | <hr/> 9                  |

There were 19 dairy herds in the district from which milk was sold raw to the public.

**Food Sampling**

The following information has been supplied by the Chief Inspector of Weights and Measures for the County Council in connection with samples taken within the district under the Food and Drugs Act, 1955.

| Name of Sample             |     |     |     | Number<br>obtained | Number<br>adulterated<br>or not<br>up to the<br>recognised<br>standard<br>of quality |
|----------------------------|-----|-----|-----|--------------------|--------------------------------------------------------------------------------------|
| Apples                     | ... | ... | ... | 1                  | —                                                                                    |
| Beer, mild                 | ... | ... | ... | 5                  | —                                                                                    |
| Best of the milk           | ... | ... | ... | 1                  | —                                                                                    |
| Biscuits                   | ... | ... | ... | 1                  | —                                                                                    |
| Brandy                     | ... | ... | ... | 1                  | —                                                                                    |
| Butter                     | ... | ... | ... | 1                  | —                                                                                    |
| Cabbage                    | ... | ... | ... | 1                  | —                                                                                    |
| Carrots                    | ... | ... | ... | 1                  | —                                                                                    |
| Cheese                     | ... | ... | ... | 2                  | —                                                                                    |
| Cider                      | ... | ... | ... | 1                  | —                                                                                    |
| Coffee and Chicory Essence |     |     |     | 1                  | —                                                                                    |
| Coffee, instant            | ... | ... | ... | 1                  | —                                                                                    |
| Dairy Ice-cream            | ... | ... | ... | 1                  | —                                                                                    |
| Dexedrine Tablets          | ... | ... | ... | 1                  | —                                                                                    |
| Dripping                   | ... | ... | ... | 1                  | —                                                                                    |
| Edible Gelatine            | ... | ... | ... | 1                  | —                                                                                    |
| Gin                        | ... | ... | ... | 1                  | —                                                                                    |
| Gravy Browning             | ... | ... | ... | 1                  | —                                                                                    |
| Ice Lollies                | ... | ... | ... | 3                  | 1*                                                                                   |
| Lard                       | ... | ... | ... | 1                  | —                                                                                    |
| Milk                       | ... | ... | ... | 73                 | 21**                                                                                 |
| Milk, condensed            | ... | ... | ... | 1                  | —                                                                                    |
| Minced beef                | ... | ... | ... | 1                  | —                                                                                    |
| Mixed pickles              | ... | ... | ... | 1                  | —                                                                                    |
| Mushrooms                  | ... | ... | ... | 1                  | —                                                                                    |
| Pears                      | ... | ... | ... | 1                  | —                                                                                    |
| Pepper, white              | ... | ... | ... | 1                  | —                                                                                    |
| Pickles, clear             | ... | ... | ... | 1                  | —                                                                                    |
| Pineapple gateau           | ... | ... | ... | 1                  | 1†                                                                                   |
| Plums                      | ... | ... | ... | 1                  | —                                                                                    |
| Potted sardine             | ... | ... | ... | 1                  | —                                                                                    |
| Saccharin tablets          | ... | ... | ... | 1                  | —                                                                                    |
| Sage and onion stuffing    | ... | ... | ... | 1                  | —                                                                                    |
| Sausage, pork              | ... | ... | ... | 3                  | 2*                                                                                   |

|                       |           |          |
|-----------------------|-----------|----------|
| Soup ... ..           | 1         | —        |
| Stewed steak ... ..   | 1         | —        |
| Table jellies ... ..  | 2         | —        |
| Tomatoes ... ..       | 1         | —        |
| Tomato Ketchup ... .. | 1         | —        |
| Wholemeal Loaf ... .. | 1         | —        |
| Whisky ... ..         | 2         | —        |
| Wheatmeal loaf ... .. | 1         | —        |
|                       | <hr/> 125 | <hr/> 25 |

\* Seller cautioned.

† Seller fined £5.

\*\*15 samples related to a case which was the subject of prosecution. The case was dismissed. Of the remaining 6 unsatisfactory samples, sellers were cautioned or no action taken.

### INFECTIOUS DISEASES

The following notifications were received and appropriate investigations carried out:

|                       |       |
|-----------------------|-------|
| Scarlet Fever ... ..  | 8     |
| Food Poisoning ... .. | 8     |
| Dysentery ... ..      | 32    |
|                       | <hr/> |
| Total                 | 48    |

In connection with cases of Dysentery, notified or otherwise, brought to the notice of the Department the following specimens were submitted to the Public Health Laboratory for examination.

|                    |       |
|--------------------|-------|
| Faeces ... ..      | 544   |
| Milk ... ..        | 31    |
| Other Foods ... .. | 3     |
|                    | <hr/> |
|                    | 578   |

### FACTORIES ACT, 1961

#### Inspections for purposes as to Health:

| Premises                                                                                                   | Number<br>on<br>Register | Inspections | Number<br>of<br>Written<br>Notices | Occupiers<br>Prosecuted |
|------------------------------------------------------------------------------------------------------------|--------------------------|-------------|------------------------------------|-------------------------|
| 1. Factories in which<br>Sections 1, 2, 3, 4<br>and 6 are to be<br>enforced by Local<br>Authorities ... .. | 15                       | 61          | 15                                 | —                       |

|                                                                                                  |       |       |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|-------|
| 2. Factories not included in (1) in which Section 7 is enforced by the Local Authority ...       | 63    | 75    | 7     | —     |
| 3. Other Premises in which Section 7 is enforced by Local Authorities (excluding outworkers) ... | 74    | 41    | —     | —     |
|                                                                                                  | <hr/> | <hr/> | <hr/> | <hr/> |
| Total ...                                                                                        | 152   | 177   | 22    | —     |
|                                                                                                  | <hr/> | <hr/> | <hr/> | <hr/> |

### Cases in which defects were found:

| Particulars                                    | Found | Remedied | Referred           |                    | No. of cases in which prosecutions were instituted |
|------------------------------------------------|-------|----------|--------------------|--------------------|----------------------------------------------------|
|                                                |       |          | To H.M. In-spector | By H.M. In-spector |                                                    |
| Want of Cleanliness (Sec. 1) ... ..            | 11    | 11       | —                  | —                  | —                                                  |
| Overcrowding (Sec. 2) ...                      | —     | —        | —                  | —                  | —                                                  |
| Unreasonable Temp. (Sec. 3) ... ..             | —     | —        | —                  | —                  | —                                                  |
| Inadequate Ventilation (Sec. 4) ... ..         | —     | —        | —                  | —                  | —                                                  |
| Ineffective drainage of floors (Sec. 6) ... .. | —     | —        | —                  | —                  | —                                                  |
| Sanitary Conveniences (Sec. 7):                |       |          |                    |                    |                                                    |
| (i) Insufficient ... ..                        | 1     | 1        | —                  | —                  | —                                                  |
| (ii) Unsuitable or defective ... ..            | 4     | 4        | —                  | —                  | —                                                  |
| (iii) Not separate for sexes ... ..            | 1     | 1        | —                  | —                  | —                                                  |
| Other offences (excluding outworkers) ... ..   | —     | —        | —                  | —                  | —                                                  |
|                                                | <hr/> | <hr/>    | <hr/>              | <hr/>              | <hr/>                                              |
| Total ...                                      | 17    | 17       | —                  | —                  | —                                                  |
|                                                | <hr/> | <hr/>    | <hr/>              | <hr/>              | <hr/>                                              |

### Part VIII of the Act (Sections 133, 134):

No lists of Outworkers have been received during the year.



# **CHESHIRE COUNTY COUNCIL**

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## **South-West Cheshire Divisional Health Committee**

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# **ANNUAL REPORT**

**1964**

**DR. W. A. POLLITT, M.R.C.S., L.R.C.P., D.P.H.  
(Divisional Medical Officer)**

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ST. MARTIN'S LODGE  
CASTLE ESPLANADE  
CHESTER

Telephone: Chester 24678 (Extn. 343-344)

# **Annual Report on the Health Services of the South-West Cheshire Division for the Year 1964**

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Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Divisional Health Services for the year 1964. The Division comprises of the Borough of Ellesmere Port and the Rural Districts of Chester and Tarvin.

The total population has increased from 92,950 in 1963 to 94,700 in 1964. The area of the Division is 115,584 acres.

During the year the new purpose built Clinic Centre at Weston Grove, Upton, started to operate, providing much needed facilities for the population of the Chester Rural District surrounding Chester City, thus enabling the premises at Hoole Lane, which had become inadequate, to be closed for clinic use.

In addition, two sessional Child Welfare Clinics were started, one in the Westminster ward of Ellesmere Port, the other in the village of Waverton, where considerable housing development has taken place in recent years.

An important event in the year was the adaptation of the premises at York Road, Ellesmere Port, for use by handicapped persons. A detailed report of the functioning of the handicapped persons' club is given in the body of the report. The premises are also used by the Blind Association for weekly meetings and the facilities have also been offered to the Deaf Society.

I think it is appropriate at this time to mention valuable work performed by the W.V.S., and in particular the "Meals on Wheels" service which they supply. Without this service keeping people adequately nourished we would find in many cases that the statutory services in the domiciliary field would be valueless. I am pleased to report an increase in the areas served by this service to include Malpas and Farndon, thus in the Divisional Areas we now have "Meals on Wheels" cover for the following areas:

Ellesmere Port.

Christleton.

Great Boughton.

Huntington.

Upton.

Kelsall and Tarvin.

Waverton.

Farndon.

Malpas.

I wish to record my appreciation of the support received from the Chairman and members of the Committee throughout the year, to the County Medical Officer and his staff for their generous help, to Mr. R. J. Bernie, Clerk of the Committee and to the clerical staff for their co-operation on all occasions.

W. A. POLLITT, M.R.C.S., L.R.C.P., D.P.H.,

Divisional Medical Officer.

# CHESHIRE COUNTY COUNCIL

## SOUTH-WEST CHESHIRE DIVISIONAL HEALTH COMMITTEE Report for the Year ended 31st December, 1964

### CARE OF MOTHERS AND YOUNG CHILDREN

#### Ante-Natal Clinics

There are two Ante-Natal Clinics held in the Division. These clinics are staffed by Consultant Obstetricians, Midwives and Health Visitors. Mothers also attend at these clinics for Post-Natal examination.

Every effort is made to provide instructions in mothercraft for those attending the ante-natal clinics by means of talks, demonstrations, discussion groups and the showing of film strips and films.

Attendance figures at the two clinics are set out below.

|                    | ANTE-NATAL |                   | POST-NATAL |                   |
|--------------------|------------|-------------------|------------|-------------------|
|                    | New Cases  | Total Attendances | New Cases  | Total Attendances |
| Ellesmere Port ... | 468        | 2,082             | 119        | 127               |
| Little Sutton ...  | 143        | 695               | 64         | 69                |

Dental facilities are available free of charge to expectant and nursing mothers, and during the year 14 women received treatment.

Clinics for Ante-Natal and Post-Natal mothers are held as follows:

#### Ante-Natal Clinics

- Welfare Centre, Stanney Lane, Ellesmere Port—  
Monday morning and Wednesday afternoon each week.
- Welfare Centre, 462, Chester Road, Little Sutton—  
Friday morning each week.

#### Midwives' Clinics and Preparation Clinics

- Welfare Centre, Stanney Lane, Ellesmere Port—  
Monday afternoon each week.
- Welfare Centre, 462, Chester Road, Little Sutton—  
Thursday afternoon each week.

#### Dental Clinics (expectant mothers)

- Welfare Centre, Stanney Lane, Ellesmere Port—  
By appointment.
- Welfare Centre, 462, Chester Road, Little Sutton—  
By appointment.

## CHILD WELFARE CENTRES

Attendances at these clinics throughout the Division continue to show an increase in all the age groups.

New clinics were commenced during the year at Waverton and in the Westminster Ward of Ellesmere Port.

New cases and attendances at individual Clinics:

|                        |     |     |  | New<br>Cases | Total | Attendances |      |
|------------------------|-----|-----|--|--------------|-------|-------------|------|
|                        |     |     |  | 0—1          | 0—1   | 1—2         | 2—5  |
| Barrow                 | ... | ... |  | 20           | 268   | 104         | 142  |
| Christleton            | ... | ... |  | 49           | 532   | 160         | 119  |
| Farndon                | ... | ... |  | 26           | 242   | 83          | 75   |
| Great Boughton         | ... | ... |  | 107          | 928   | 229         | 95   |
| Huntington             | ... | ... |  | 36           | 388   | 62          | 68   |
| Kelsall                | ... | ... |  | 38           | 328   | 135         | 119  |
| Malpas                 | ... | ... |  | 45           | 422   | 111         | 119  |
| Saughall               | ... | ... |  | 29           | 387   | 91          | 96   |
| Tarvin                 | ... | ... |  | 45           | 490   | 127         | 127  |
| Tattenhall             | ... | ... |  | 38           | 229   | 26          | 53   |
| Upton                  | ... | ... |  | 209          | 1567  | 230         | 176  |
| Waverton               | ... | ... |  | 26           | 220   | 67          | 35   |
| E. Port (Stanney Lane) |     |     |  | 573          | 5002  | 521         | 135  |
| „ (Overpool)           | ... |     |  | 53           | 334   | 30          | 19   |
| „ (Westminster)        |     |     |  | 31           | 231   | 39          | 34   |
| Little Sutton          | ... | ... |  | 245          | 2069  | 256         | 72   |
|                        |     |     |  | 1570         | 13637 | 2271        | 1484 |

### Attendances of children under 5 at the following Specialist Clinics:

|                            |     |     |     | New<br>Cases | Total<br>Attendances |
|----------------------------|-----|-----|-----|--------------|----------------------|
| Ophthalmic                 | ... | ... | ... | 22           | 58                   |
| Dental Treatment (under 5) | ... | ... | ... | 120          | 158                  |
| E.N.T. (under 5)           | ... | ... | ... | 11           | 17                   |

### Screening Tests of Hearing

Health Visitors who have been specially trained in the technique, carry out routine tests of hearing on babies of nine months and over at the Child Welfare Clinics.

Where necessary, children are referred to the Ear, Nose and Throat Clinics staffed by consultant surgeons and to Professor Ewing and his colleagues from the Manchester University Department for Education of the Deaf. These clinics deal with children of pre-school age and of school age having hearing defects.

## **Phenylketenuria**

All babies are tested by Health Visitors either at home or in the clinic for phenylketenuria, one of the causes of backwardness in children. Early recognition and treatment of this condition prevents any deterioration taking place.

### **Child Welfare Clinics are held as follows:**

- Welfare Centre, Stanney Lane, Ellesmere Port—  
Tuesday and Friday afternoons each week.
- Welfare Centre, Stanney Lane, Ellesmere Port—  
Young Children's Clinic (age 2—5), 4th Thursday  
afternoon in each month.
- Welfare Centre, 462, Chester Road, Little Sutton—  
Monday afternoon each week.
- Welfare Centre, 462, Chester Road, Little Sutton—  
Young Children's Clinic (age 2—5), first Tuesday  
afternoon each month.
- Castrol Social Club, Overpool—  
1st and 3rd Thursday afternoon each month.
- Congregational Church Hall, Grace Road, Ellesmere Port—  
1st and 3rd Wednesday afternoon each month.
- Village Hall, Barrow—  
1st and 3rd Wednesday afternoon each month.
- Women's Institute, Christleton—  
1st and 3rd Thursday afternoon each month.
- Memorial Hall, Farndon—  
1st and 3rd Thursday afternoon each month.
- Congregational Church Hall, Great Boughton—  
Tuesday afternoon each week.
- Village Hall, Huntington—  
2nd and 4th Wednesday afternoon each month.
- Parish Hall, Kelsall—  
1st and 3rd Tuesday afternoon each month.
- Jubilee Hall, Malpas—  
1st, 3rd and 5th Monday afternoon each month.
- Vernon Institute, Saughall—  
1st and 3rd Monday afternoon each month.
- The Vicarage, Tarvin—  
2nd and 4th Wednesday afternoon each month.
- Barbour Institute, Tattenhall—  
1st and 3rd Monday afternoon each month.
- Welfare Centre, Upton—  
Thursday afternoon each week.
- Presbyterian Church Hall, Waverton—  
2nd and 4th Tuesday afternoon each month.

Specialist Clinics for pre-school children and school children are held at the following locations:

### **Dental Clinics (Pre-School, School Children)**

- Welfare Centre, Stanney Lane, Ellesmere Port—  
By appointment.
- Welfare Centre, 462, Chester Road, Little Sutton—  
By appointment.

## Audiology and Screening Clinics

Welfare Centre, Stanney Lane, Ellesmere Port—

Tuesday afternoon each week. School children Monday morning alternate weeks.

Welfare Centre, 462, Chester Road, Little Sutton—

2nd and 4th Friday afternoon.

Welfare Centre, Weston Grove, Upton—

3rd Tuesday afternoon each month.

Rural Clinics—

By appointment, as required.

## WELFARE FOODS—MINISTRY AND PROPRIETARY BRANDS

The distribution of Welfare Foods, both Ministry and Proprietary brands, continued to operate satisfactorily, and our appreciation is due to the voluntary workers who give many hours of their time to assist in this capacity both at clinics and at voluntary distribution points.

### Ministry

|                        |                  |              |              |        |
|------------------------|------------------|--------------|--------------|--------|
| National<br>Dried Milk | Cod Liver<br>Oil | A.D. Tablets | Orange Juice | Total  |
| 14,694                 | 1,467            | 1,563        | 14,759       | 32,483 |

### Proprietary Brands

|            |              |                   |
|------------|--------------|-------------------|
| Milk Foods | Cereal Foods | Other Commodities |
| 13,806     | 1,770        | 11,564            |

The figures for Ministry Welfare Foods show a decrease in the issue of National Dried Milk, but the other items show an increase.

|                         |     |      |   |      |          |
|-------------------------|-----|------|---|------|----------|
| National Dried Milk ... | ... | 1373 | — | 9%   | Decrease |
| Cod Liver Oil ...       | ... | 73   | — | 5%   | Increase |
| A. & D. Tablets ...     | ... | 20   | — | 1½%  | „        |
| Orange Juice ...        | ... | 1705 | — | 11½% | „        |

All Foods in Proprietary Brands Section have shown an increase over the year:

|                       |     |     |      |   |      |
|-----------------------|-----|-----|------|---|------|
| Milk Foods ...        | ... | ... | 2325 | — | 16¼% |
| Cereal Foods ...      | ... | ... | 122  | — | 7%   |
| Other Commodities ... | ... | ... | 2914 | — | 25%  |

Ministry Welfare Foods are distributed at the following centres:

### Welfare Clinics

Ellesmere Port, Little Sutton, Overpool, Westminster Ward (E. Port), Barrow, Christleton, Farndon, Great Boughton, Huntington, Kelsall, Malpas, Saughall, Tarvin, Tattenhall, Upton, Waverton.

## **Voluntary Persons**

Duddon, Tilston.

Proprietary Brands of Welfare Foods are issued only at the Welfare Clinics in the Divisional Area.

## **DAY NURSERY**

The Day Nursery continues to fill a social need in the community. Children admitted are in the main from the groups having priority in the County Council's Scheme. These include a variety of social and medical reasons.

Cases were referred for admission from several sources. Parents, General Practitioners, Health Visitors, Assistant Medical Officers and the Area Children's Officer.

The Nursery is approved by the Ministry of Health as a training nursery for Nursery Students and during the year two Nursery Students were in training.

During 1964, one student sat the examination for the National Nursery Examination Board Certificate for Nursery Nurses and she was successful.

Facilities continue to be made available to local schools for the older girls to attend for training in mothercraft.

Attendances during July and August were affected by an outbreak of Measles with a resultant decline in attendances to 31 per day in July, 34 per day in August.

At the close of the year there were 58 children on the register all of whom were priority cases.

|                      |     | Daily Average<br>No. attending | Total Attendances |
|----------------------|-----|--------------------------------|-------------------|
| Aged 0 — 2 years ... | ... | 17.5                           | 4,339             |
| Aged 2 — 5 years ... | ... | 25.25                          | 6,220             |

## **MIDWIFERY AND HOME NURSING**

Number of births during the year, 2,012 (including 32 still-births) (adjusted for inward and outward transfers).

## **DOMESTIC HELP SERVICE**

The Domestic Help Service again shows a marked increase in demand, both in the numbers of persons supplied and the length of time for which the help is required.

Number of persons supplied with Domestic Help:

| 1959       | 1960       | 1961       | 1962       | 1963       | 1964       |
|------------|------------|------------|------------|------------|------------|
| <u>154</u> | <u>185</u> | <u>237</u> | <u>274</u> | <u>334</u> | <u>395</u> |

Number of persons for whom there was a continued need for the supply of help as at 31st December of each year:

| 1959      | 1960       | 1961       | 1962       | 1963       | 1964       |
|-----------|------------|------------|------------|------------|------------|
| <u>84</u> | <u>112</u> | <u>136</u> | <u>169</u> | <u>193</u> | <u>218</u> |

Number of hours supplied:

| 1959          | 1960          | 1961          | 1962          | 1963          | 1964          |
|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>32,126</u> | <u>38,805</u> | <u>50,218</u> | <u>59,533</u> | <u>65,337</u> | <u>72,081</u> |

The supply of this service in the main is to the aged and infirm, the chronic sick, who without the help would undoubtedly require hostel or hospital accommodation. In some instances the help is only required on one, two or three days per week, in other cases help is supplied each day.

The following is a summary of Domestic Help supplied to persons with a continued need as at the 31st December, 1964:

|    |       |      |      |    |         |    |      |     |      |             |
|----|-------|------|------|----|---------|----|------|-----|------|-------------|
| 1  | case  | has  | been | in | receipt | of | help | for | 11   | years       |
| 1  | "     | "    | "    | "  | "       | "  | "    | "   | 9    | "           |
| 3  | cases | have | been | in | receipt | of | help | for | 8    | years       |
| 3  | "     | "    | "    | "  | "       | "  | "    | "   | 7    | "           |
| 4  | "     | "    | "    | "  | "       | "  | "    | "   | 6    | "           |
| 9  | "     | "    | "    | "  | "       | "  | "    | "   | 5    | "           |
| 23 | "     | "    | "    | "  | "       | "  | "    | "   | 4    | "           |
| 27 | "     | "    | "    | "  | "       | "  | "    | "   | 3    | "           |
| 33 | "     | "    | "    | "  | "       | "  | "    | "   | 2    | "           |
| 47 | "     | "    | "    | "  | "       | "  | "    | "   | 1    | "           |
| 67 | "     | "    | "    | "  | "       | "  | "    | "   | less | than 1 year |

From the above it will be observed that approximately 75% have had help for more than 1 year and continue to require help, and some 33 $\frac{1}{3}$ % have had help for more than 3 years.

During the Autumn a series of meetings were arranged for the Domestic Helps in the Ellesmere Port area to stimulate their interest and to give them a broad outline of the various services provided. The attendance by the Helps was voluntary, 23 wished to attend, and the average attendance at each meeting was 19.

Talks were given by a Health Visitor, District Nurse, District Midwife, Public Health Inspector, Administrator, the Domestic Help Supervisor, and finally a Cooking demonstration was arranged with the assistance of the North Western Gas Board.

Discussions took place at the close of each meeting, and the Helps showed much enthusiasm and interest.

The following is a summary of the work carried out during the year:

- A. Number of new applicants—232 (of these, 58 were cancelled).
- B. Number of Domestic Helps employed at 31.12.64—120.
- C. Number of cases attended during the year—395.
- D. Number of cases of continued need at 31.12.64—218.
- E. Number of hours Domestic Help supplied—72,081.
- F. Amount recovered from Future Recovery cases—£439/8/9.
- G. 39 cases were brought to the attention of the Committee during the year.

11 cases were defined as Future Recovery cases.

In 1 Future Recovery case the accumulative balance was waived.

In 1 Future Recovery case collection was deferred.

In 5 Future Recovery cases recovery of the accumulative balance was approved.

In 11 cases arrears were cancelled.

In 10 cases the assessment was reduced.

**PREVENTION OF ILLNESS — CARE AND AFTER-CARE**

Number of cases investigated in Division:

**(1) Tuberculosis**

|     |                                                       |     |     |     |
|-----|-------------------------------------------------------|-----|-----|-----|
| (a) | Number of Primary Investigations                      | ... | ... | 34  |
| (b) | Number of Follow-up visits                            | ... | ... | 256 |
| (c) | Number of cases where patient has been found to have: |     |     |     |
| (a) | Removed from area                                     | ... | ... | 7   |
| (b) | Recovered                                             | ... | ... | 10  |
| (c) | Died                                                  | ... | ... | 2   |

**(2) Other than Tuberculosis**

All cases of chronic illness awaiting admission to Chronic Wards or suitable Institutions are visited regularly by Health Visitors until admission is effected, and in many cases Domestic Help is provided.

**B. Nursing Equipment**

567 articles were loaned to elderly, nursing and handicapped persons during the year. The period of loan varies in accordance with the needs, in the first instance the loan is for three months which can be extended if required.

The nursing Equipment is mainly stored at the Divisional Offices, Chester and Ellesmere Port. The following is an inventory of the various items held at the offices (many of the items listed are out on loan):

|                            |    |                            |    |
|----------------------------|----|----------------------------|----|
| Invalid Wheel Chairs ...   | 30 | Hoyer hoist ... ..         | 1  |
| Sheets, single ... ..      | 24 | Dunlopillo mattresses ...  | 4  |
| Sheets, draw ... ..        | 24 | Dunlopillo cushions ...    | 3  |
| Sheets, rubber/plastic ... | 90 | Bed cages ... ..           | 9  |
| Air rings ... ..           | 16 | Nocturnal Enuresis         |    |
| Walking sticks ... ..      | 5  | alarm                      | 11 |
| Special Spastic Chair ...  | 1  | Beds with chain and        |    |
| Water/Air beds ... ..      | 2  | handle ... ..              | 4  |
| Bed pulley ... ..          | 4  | Inflatable toilet seat ... | 1  |
| Back rests ... ..          | 19 | 3 & 4 legged walking       |    |
| Bed pans ... ..            | 50 | aids ... ..                | 19 |
| Urinals ... ..             | 19 | Commodes ... ..            | 23 |
| Adjustable tables ...      | 1  | Crutches (pairs) ... ..    | 15 |
| Ramp ... ..                | 1  | Special toddlers walking   |    |
| Helping hand ... ..        | 9  | aid ... ..                 | 2  |
| Sputum mugs ... ..         | 2  | Bonaped walking aid ...    | 1  |
| Sputum flasks ... ..       | 12 | Fireguards ... ..          | 4  |

In addition, the District Nurse/Midwives in the Rural areas each have a small stock of the smaller items, bedpans, urinals, rubber sheets, etc.

**C. Handicapped Persons**

- (i) At the end of the year there were 116 cases on the handicapped persons register, many of whom were in regular employment. All cases have been visited by the Health Visitors during the year, and in the majority of cases where the person was not in regular employment the services of the County Council were not required.
- (ii) Number of persons in the area registered with the Chester and District Blind Welfare Society—118.  
 Number of partially sighted persons in the area registered with the Chester and District Blind Welfare Society—23.
- (iii) Number of Persons registered as Deaf and Dumb, Hard of Hearing—59.
- (iv) Adaptations were carried out in the houses of twelve handicapped persons.
- (v) **Disabled Drivers Car Badges**  
 The Badges are issued to severely disabled drivers who, because of their disability, have difficulty in walking more than a short distance. The Badges are for the purpose of identification only, and confer no legal rights or privileges. The display of the Badge on a disabled

driver's vehicle will enable him/her to be readily identified both by the police and by other road users. This will help the police to assist them in parking and to exercise discretion in their favour whenever possible.

A condition of the issue of the Badge is that it should only be displayed when the vehicle is driven by the person to whom the Badge was issued.

There are 24 Disabled Car Drivers on the Register.

### **Handicapped Persons' Club, Ellesmere Port**

The Handicapped Persons' Club held its first meeting on Thursday, 3rd September, in the Hall of the former Welfare Centre, York Road, Ellesmere Port. 9 patients attended the first meeting, and the register has gradually increased to 18 at the end of the year. The average attendance, however, remains at 9—11, a hard core of regular attenders plus spasmodic attendance from others. The Club is open on Thursday afternoon of each week.

The Club is supervised by an Occupational Therapist, working in close liaison with a Health Visitor who follows up with visits to patients who have particular difficulties and those who are poor attenders. The Women's Voluntary Service greatly assist both at the Club and with transport to and from the Club for those members who are unable to make their own way.

Afternoons are usually divided into two sessions. The first session consists of individual work on crafts designed, where possible, to aid in specific treatment of disabilities. The second Session is devoted to group activities, for example, games, a quiz or beetle drive. Special afternoons, such as a Christmas party, and slide shows have been held, and patients have been taken to various evening shows in Ellesmere Port, again with the help of the Women's Voluntary Service.

It is hoped that, at a later date, the kitchen in the Hall can be adapted so that special help can be given to disabled women and any necessary aids provided. At present the scope of activities is often limited by the small number of patients taking part, and it is hoped that the membership of the Club will increase during the coming year.

#### **D. Sitter-In Service**

One person was assisted with this service during the year.

#### **E. Convalescence**

Six persons were sent for convalescence during the year.

#### **F. Rehabilitation**

One mother and her three children were sent to the Brentwood Rehabilitation Centre.

## **HEALTH EDUCATION**

As was mentioned in the Annual Report for 1963, a 16 m.m. sound film projector was allocated for use in the Division. This has proved a most valuable aid in health education and has acted as a stimulus to the staff both in the use of the film projector and in other methods of health education.

As a result the increase in the activities of health education continues. Health Visitors and medical staff are giving talks to many voluntary societies and going into schools to give talks on different aspects of health and hygiene.

Senior pupils are encouraged to visit the Day Nursery and the Clinics at Stanney Lane and Weston Grove, Upton, by arrangements with the Domestic Science and Head Teachers.

Special features on selected items are on display at the main clinics and the staff show considerable ingenuity in devising eye-catching arrangements.

The creation of a Merseyside Committee on cancer education has resulted in several voluntary societies having lectures on this most important subject.

An equally valuable activity has been the One Day courses arranged by the Cheshire Community Council for voluntary Welfare Workers in the Tarvin and Ellesmere Port areas at which the Divisional Medical Officer lectured on the assistance available from the County Health Department.

More recently a course of lectures has been given to domestic science teachers in the Wirral, Ellesmere Port and Chester rural areas by the Divisional Medical Officer, Health Visitors and Matron of the Day Nursery.

## **PROBLEM FAMILIES**

Quarterly meetings are held to ensure that the most effective use is made of all those concerned with problem families and children who may have been neglected or ill-treated. Smaller group meetings to discuss any individual families are called between quarterly meetings if circumstances require this to be done.

These meetings are presided over by the Area Children's Officer and the following list indicates the representatives normally attending:

Divisional Medical Officer.

Health Visitor.

Welfare Department Case Worker.

N.S.P.C.C. Inspector.

Representatives of local Housing Departments.

National Assistance Boards.

School Attendance Officers.

Mental Health Welfare Worker.

Representatives of local Voluntary Bodies, including C.A.B.

Probation Officer.

Selected cases are discussed at these meetings when observations are made by those intimately concerned. After due deliberation it is usually agreed that the main supervision and investigation for the time being will be delegated to the appropriate worker who, in the meantime, will keep in touch with those others most concerned with the case in question.

Such arrangements prevent a continual stream of workers calling at the home in a short space of time.

It will be appreciated that these meetings present at times insuperable problems, whilst others present opportunities for help and supervision. In many instances the constant supervision employed, whilst not solving a particular problem, is often able to stop further deterioration and to maintain a family on an improved standard.

One family was sent to Brentwood Rehabilitation Centre for training and rehabilitation.

## **CHIROPODY SERVICE**

At the commencement of the year there were 661 persons on the register for Chiropody treatment. During the year a further 199 applications were received of whom 168 were granted treatment free of charge, 24 at half cost, 7 were not eligible. At the end of the year there were 761 persons on the register receiving Chiropody treatment.

## Details of Service provided

| Place of Treatment                                         | OVER 65         |                   | PHYSICALLY HANDICAPPED |                   |
|------------------------------------------------------------|-----------------|-------------------|------------------------|-------------------|
|                                                            | No. of patients | No. of treatments | No. of patients        | No. of treatments |
| Chiropodist's Surg.                                        | 434             | 2351              | 9                      | 64                |
| Home of patient                                            | 371             | 1801              | 11                     | 70                |
| No. of cases in which the County Council paid full fee ... |                 |                   | 765                    |                   |
| No. of cases in which the County Council paid part fee ... |                 |                   | 60                     |                   |

The service is available to persons over the age of 65 years, physically handicapped persons and expectant mothers recommended for such treatment by their family doctor or district nurse. Persons who receive any National Assistance benefit, or whose sole income is the National retirement pension, are eligible for free treatment under the provisions of the scheme. Persons in receipt of income from other sources may have to pay towards the cost of the treatment, depending on the amount of the additional income.

Treatment in the first instance is monthly for the first six months, thereafter alternate months, unless a recommendation is received from either the patient's doctor, the District Nurse or the Chiropodist, requesting further monthly treatment.

The patients are allowed to choose from a list of recognised Chiropodists the Chiropodist they wish to attend for treatment. In some cases when the patient cannot attend the Chiropodist's surgery, the Chiropodist can visit the patient at his/her home.

## MENTAL HEALTH SERVICE

### Adult Training Centre, Ellesmere Port

Attendances throughout the year have been reasonably good, absenteeism being generally due to coughs and colds, and in some cases the trainees have to attend hospitals at regular intervals. Attendance at Adult Training Centres is entirely voluntary.

Number on the register at the commencement of the year—73.  
Number on the register at the close of the year—80.

Contract work has continued to operate satisfactorily, with new contracts with the Plastic Coatings Ltd. and Fibrelite Industries Ltd. In addition to the contract work numerous other items are made for which there is a regular sale, and for the annual open day sale in December.

It is gratifying to be able to report that 7 trainees were placed in employment during the year, 2 of whom have since returned, the remaining 5 are still in regular employment.

In addition to the handicrafts, social training is also given with some success, for example:

### **Homecraft**

Mixed groups of boys and girls go to the shopping centre, purchase food, return to the centre, prepare and cook meals, lay the table (a girl usually acts as the hostess), they eat what they have cooked, and afterwards clear the table, wash dishes, etc. Very favourable comments have been received from parents in this connection.

### **Public Services**

Use of the telephone, visits to the Public Library, etc.

### **Hair Dressing**

The girls are now capable of dressing and setting each other's hair. Practice takes place daily and seems to inspire confidence in the girls in their work.

### **Shopping**

Many of the trainees are taken on shopping expeditions and are capable of accounting for the purchases they make.

### **Speech Training**

Two of the girls are assisted with elementary speech training, pending the appointment of a speech therapist.

A member of the staff returned from a twelve month course, and it is pleasing to report that he was successful in obtaining N.A.M.H. Diploma.

Another member of the staff is undergoing similar training and will return mid-July, 1965.

## **VACCINATION AND IMMUNISATION SMALLPOX, DIPHTHERIA, WHOOPING COUGH**

### **A. SMALLPOX VACCINATION**

| 1. <b>Primary Vaccination—</b> |                     |     |     |     | Males      | Females    | Total      |
|--------------------------------|---------------------|-----|-----|-----|------------|------------|------------|
| (1)                            | Pre-School Children | ... | ... | ... | 340        | 320        | 660        |
| (2)                            | School Children     | ... | ... | ... | 6          | 8          | 14         |
| (3)                            | Adults              | ... | ... | ... | 14         | 34         | 48         |
| <b>TOTALS</b>                  |                     |     |     |     | <b>360</b> | <b>362</b> | <b>722</b> |

### Smallpox Re-Vaccination

|        |                     |     |     |     |     |     |
|--------|---------------------|-----|-----|-----|-----|-----|
| (1)    | Pre-School Children | ... | ... | 8   | 3   | 11  |
| (2)    | School Children     | ... | ... | 17  | 23  | 40  |
| (3)    | Adults              | ... | ... | 93  | 99  | 192 |
| TOTALS |                     |     |     | 118 | 125 | 243 |

### B. DIPHTHERIA IMMUNISATION

#### 1. Incomplete—

|        |                     |     |     |    |    |     |
|--------|---------------------|-----|-----|----|----|-----|
| (1)    | Pre-School Children | ... | ... | 61 | 52 | 113 |
| (2)    | School Children     | ... | ... | 1  | —  | 1   |
| TOTALS |                     |     |     | 62 | 52 | 114 |

#### 2. Completed—

|        |                     |     |     |     |     |      |
|--------|---------------------|-----|-----|-----|-----|------|
| (1)    | Pre-School Children | ... | ... | 742 | 663 | 1405 |
| (2)    | School Children     | ... | ... | 37  | 32  | 69   |
| TOTALS |                     |     |     | 779 | 695 | 1474 |

#### 3. Re-Immunisation—

|              |     |     |     |      |      |      |
|--------------|-----|-----|-----|------|------|------|
| All Children | ... | ... | ... | 1031 | 1002 | 2033 |
|--------------|-----|-----|-----|------|------|------|

### C. OTHER IMMUNISATION

#### (e.g. Whooping Cough/Tetanus)—

|        |                     |     |     |     |     |      |
|--------|---------------------|-----|-----|-----|-----|------|
| (1)    | Pre-School Children | ... | ... | 742 | 690 | 1432 |
| (2)    | School Children     | ... | ... | 32  | 40  | 72   |
| TOTALS |                     |     |     | 774 | 730 | 1504 |

## VACCINATION AND IMMUNISATION

### POLIOMYELITIS VACCINATION

| Age Group |                                                  | Number of persons who have received |              |       |
|-----------|--------------------------------------------------|-------------------------------------|--------------|-------|
|           |                                                  | Salk Vaccine                        | Oral Vaccine | Total |
|           |                                                  | Second Injection                    | Third Dose   |       |
| (a)       | Children born in 1964                            | ...                                 | ...          | 198   |
| (b)       | Children born in 1963                            | ...                                 | ...          | 911   |
| (c)       | Children born in 1962                            | ...                                 | ...          | 275   |
| (d)       | Children born in 1961                            | ...                                 | ...          | 99    |
| (e)       | Children and Young Persons born in years 1943-60 | ...                                 | ...          | 121   |
|           |                                                  | 4                                   |              | 125   |

|                                                                          |    |      |      |
|--------------------------------------------------------------------------|----|------|------|
| (f) Young persons born in years<br>1933-42 ... ..                        | —  | 44   | 44   |
| (g) Others ... ..                                                        | 5  | 36   | 41   |
| (h) Total ... ..                                                         | 25 | 1684 | 1709 |
| (i) Number of persons given third injection of Salk<br>Vaccine ... ..    |    |      | 35   |
| (j) Number of persons given a reinforcing dose of<br>Oral Vaccine ... .. |    |      | 240  |

### B.C.G. VACCINATION

|                                                                                 |      |
|---------------------------------------------------------------------------------|------|
| No. of Consent forms issued .. ..                                               | 1737 |
| No. of Consent forms returned with parents' consent ...                         | 1553 |
| No. of Children Heaf tested ... ..                                              | 1466 |
| No. of Children positive to Heaf test ... ..                                    | 253  |
| No. of Children negative to Heaf test ... ..                                    | 1141 |
| No. of Children B.C.G. Vaccinated ... ..                                        | 1136 |
| No. of Children given 12 months Follow-up Heaf test ...                         | 1027 |
| No. of Children given 12 months Follow-up Heaf test and<br>re-vaccinated ... .. | —    |

# Statistics relating to cases of Tuberculosis on Notification Registers of District Councils in the Division

|                                                              | MALES     |               | FEMALES   |               | TOTAL     |               |
|--------------------------------------------------------------|-----------|---------------|-----------|---------------|-----------|---------------|
|                                                              | Pulmonary | Non-Pulmonary | Pulmonary | Non-Pulmonary | Pulmonary | Non-Pulmonary |
| 1. Cases on Register at 1.1.64 ... ..                        | 238       | 70            | 308       | 216           | 56        | 272           |
| 2. Cases notified and transfers into area during year ... .. | 20        | 2             | 22        | 11            | 1         | 12            |
| 3. Number of cases removed from Register during year ... ..  | 23        | 1             | 24        | 15            | 0         | 15            |
| 4. Cases on Register at 31.12.64 ... ..                      | 235       | 71            | 306       | 212           | 57        | 269           |
|                                                              |           |               |           |               | *447      | *128          |
|                                                              |           |               |           |               |           | *575          |

\*This figure is made up as follows:

|                               | Non-Pulmonary |     | Total |
|-------------------------------|---------------|-----|-------|
| 1. Ellesmere Port M.B. ... .. | 216           | 39  | 255   |
| 2. Chester R.D.C. ... ..      | 144           | 39  | 183   |
| 3. Tarvin R.D.C. ... ..       | 87            | 50  | 137   |
|                               | 447           | 128 | 575   |

# INFECTIOUS DISEASES NOTIFIED, 1964

| DISTRICT                         | DISEASE   |    |               |    |                |    |         |     |           |   |            |   |                |    |                   |   |                       |   |
|----------------------------------|-----------|----|---------------|----|----------------|----|---------|-----|-----------|---|------------|---|----------------|----|-------------------|---|-----------------------|---|
|                                  | Dysentery |    | Scarlet Fever |    | Whooping Cough |    | Measles |     | Pneumonia |   | Erysipelas |   | Food Poisoning |    | Puerperal Pyrexia |   | Ophthalmia Neonatorum |   |
|                                  | M         | F  | M             | F  | M              | F  | M       | F   | M         | F | M          | F | M              | F  | M                 | F | M                     | F |
| Ellesmere Port Municipal Borough | ...       | 80 | 66            | 13 | 13             | 22 | 14      | 353 | 334       | 2 | 1          | 1 | 3              | —  | 4                 | 1 | 1                     | — |
| Chester Rural District           | ...       | 7  | 5             | 5  | 3              | 6  | 9       | 69  | 65        | 1 | —          | — | —              | 15 | 13                | 2 | —                     | — |
| Tarvin Rural District            | ...       | —  | 1             | 9  | 6              | 16 | 14      | 18  | 18        | 3 | 6          | — | —              | —  | —                 | — | —                     | — |
| TOTALS                           | ...       | 87 | 72            | 27 | 22             | 44 | 37      | 440 | 417       | 6 | 7          | 1 | 3              | 15 | 17                | 3 | 1                     | — |





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